



52578C\_cor.ST25.txt  
SEQUENCE LISTING

<110> Wu, Jingrui  
<120> Water-Deficit-Tolerant Transgenic Plants  
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<140> US 10/678,588  
<141> 2003-10-02  
<150> US 60/415,758  
<151> 2002-10-02  
<150> US 60/425,157  
<151> 2002-11-08  
<150> US 60/463,787  
<151> 2003-04-11  
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## 52578C\_cor.ST25.txt

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## 52578C\_cor.ST25.txt

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Asp Arg Phe Leu Pro Ile Ala Asn Ile Ser Arg Ile Met Lys Lys Ala  
35 40 45

Ile Pro Ala Asn Gly Lys Thr Ile Pro Ala Asn Gly Lys Ile Ala Lys  
50 55 60

Asp Ala Lys Glu Thr Val Gln Glu Cys Val Ser Glu Phe Ile Ser Phe  
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Ile Thr Ser Glu Ala Ser Asp Lys Cys Gln Arg Glu Lys Arg Lys Thr  
85 90 95

Ile Asn Gly Asp Asp Leu Leu Trp Ala Met Ala Thr Leu Gly Phe Glu  
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Asp Tyr Ile Glu Pro Leu Lys Val Tyr Leu Gln Lys Tyr Arg Glu Met  
115 120 125

Glu Gly Asp Ser Lys Leu Thr Ala Lys Ser Ser Asp Gly Ser Ile Lys  
130 135 140

Lys Asp Ala Leu Gly His Val Gly Ala Ser Ser Ser Ala Ala Gln Gly  
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Gln Tyr His Asn Gly Asp Ile Ser Asn  
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<213> Zea mays

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Ser Gly Ser Pro Arg Gly Gly Gly Gly Gly Gly Ser Val Arg Glu Gln  
20 25 30

52578C\_cor.ST25.txt

Asp Arg Phe Leu Pro Ile Ala Asn Ile Ser Arg Ile Met Lys Lys Ala  
35 40 45

Ile Pro Ala Asn Gly Lys Ile Ala Lys Asp Ala Lys Glu Thr Val Gln  
50 55 60

Glu Cys Val Ser Glu Phe Ile Ser Phe Ile Thr Ser Glu Ala Ser Asp  
65 70 75 80

Lys Cys Gln Arg Glu Lys Arg Lys Thr Ile Asn Gly Asp Asp Leu Leu  
85 90 95

Trp Ala Met Ala Thr Leu Gly Phe Glu Asp Tyr Ile Glu Pro Leu Lys  
100 105 110

Val Tyr Leu Gln Lys Tyr Arg Glu Met Glu Gly Asp Ser Lys Leu Thr  
115 120 125

Ala Lys Ser Ser Asp Gly Ser Ile Lys Lys Asp Ala Leu Gly His Val  
130 135 140

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## 52578C\_cor.ST25.txt

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 gaatgcgttt ctgagttcat cagcttcatt accagcgagg cgagtgagaa atgccagaag 240  
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 35 40 45

Gly Lys Ile Ala Lys Asp Ala Lys Asp Thr Met Gln Glu Cys Val Ser  
 50 55 60

Glu Phe Ile Ser Phe Ile Thr Ser Glu Ala Ser Glu Lys Cys Gln Lys  
 65 70 75 80

Glu Lys Arg Lys Thr Ile Asn Gly Asp Asp Leu Leu Trp Ala Met Ala  
 85 90 95

Thr Leu Gly Phe Glu Asp Tyr Ile Glu Pro Leu Lys Val Tyr Leu Ala  
 100 105 110

Arg Tyr Arg Glu Ala Glu Gly Asp Thr Lys Gly Ser Ala Arg Ser Gly  
 Page 5

115

120

125

Asp Gly Ser Ala Thr Pro Asp Gln Val Gly Leu Ala Gly Gln Asn Ser  
 130 135 140

Gln Leu Val His Gln Gly Ser Leu Asn Tyr Ile Gly Leu Gln Val Gln  
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Arg Ile Met Lys Lys Ala Leu Pro Pro Asn Gly Lys Ile Gly Lys Asp  
 35 40 45

Ala Lys Asp Thr Val Gln Glu Cys Val Ser Glu Phe Ile Ser Phe Ile  
 50 55 60

Thr Ser Glu Ala Ser Asp Lys Cys Gln Lys Glu Lys Arg Lys Thr Val  
 65 70 75 80

Asn Gly Asp Asp Leu Leu Trp Ala Met Ala Thr Leu Gly Phe Glu Asp  
 85 90 95

Tyr Leu Glu Pro Leu Lys Ile Tyr Leu Ala Arg Tyr Arg Glu Leu Glu  
 100 105 110

Gly Asp Asn Lys Gly Ser Gly Lys Ser Gly Asp Gly Ser Asn Arg Asp  
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Ala Gly Gly Gly Val Ser Gly Glu Glu Met Pro Ser Trp  
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Lys Lys Ala Leu Pro Xaa Asn Gly Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 20 25 30

Ile Ala Lys Asp Ala Lys Xaa Thr Xaa Gln Glu Cys Val Ser Glu Phe  
 35 40 45

Ile Ser Phe Ile Thr Ser Glu Ala Ser Xaa Lys Cys Gln Xaa Glu Lys  
 50 55 60

Arg Lys Thr Ile Asn Gly Asp Asp Leu Leu Trp Ala Met Ala Thr Leu  
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Gly Phe Glu Asp Tyr Ile Glu Pro Leu Lys Val Tyr Leu Xaa Xaa Tyr  
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Arg Glu Xaa Glu Gly  
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 Page 8



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20 25 30

Gln Gln Gly Ala Tyr Asn Gln Gly Met Gly Tyr Met Gln Pro Gln Tyr  
35 40 45

His Asn Gly Asp Ile Ser Asn  
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